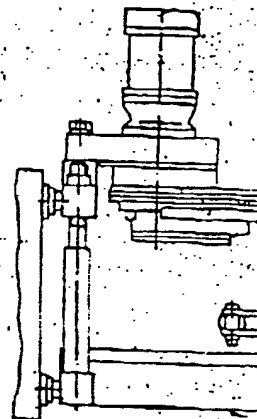


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(53) 622.248.13 (72) S. F. Petrov, M. L. Kisel'man, V. I. Mishin, and S. V. Vinogradov (71)

All-Union Scientific Research Institute of Well Casing and Drilling Muds

(54) (57) METHOD FOR REPAIR OF CASINGS,

including lowering into the well of a patch of length greater than the damaged section of casing, expanding it and squeezing it against the casing by creating radial loads, *distinguished by the fact that*, with the aim of reducing the stresses arising in the body of the casing in the damaged section, radial loads are created on the patch above and below the damaged section of the casing that are larger than the radial loads on the patch corresponding to the damaged section of the casing.



## AFFIDAVIT OF ACCURACY

I, Kim Stewart, hereby certify that the following is, to the best of my knowledge and belief, true and accurate translations performed by professional translators of the following Patents and Abstracts from Russian to English:

|                |                             |
|----------------|-----------------------------|
| ATLANTA        | <i>Patent 1786241 A1</i>    |
| BOSTON         | <i>Patent 989038</i>        |
| BRUSSELS       | <i>Abstract 976019</i>      |
| CHICAGO        | <i>Patent 959878</i>        |
| DALLAS         | <i>Abstract 909114</i>      |
| DETROIT        | <i>Patent 907220</i>        |
| FRANKFURT      | <i>Patent 894169</i>        |
| HOUSTON        | <i>Patent 1041671 A</i>     |
| LONDON         | <i>Patent 1804543 A3</i>    |
| LOS ANGELES    | <i>Patent 1686123 A1</i>    |
| MIAMI          | <i>Patent 1677225 A1</i>    |
| MINNEAPOLIS    | <i>Patent 1698413 A1</i>    |
| NEW YORK       | <i>Patent 1432190 A1</i>    |
| PARIS          | <i>Patent 1430498 A1</i>    |
| PHILADELPHIA   | <i>Patent 1250637 A1</i>    |
| SAN DIEGO      | <i>Patent 1051222 A</i>     |
| SAN FRANCISCO  | <i>Patent 1086118 A</i>     |
| SEATTLE        | <i>Patent 1749267 A1</i>    |
| WASHINGTON, DC | <i>Patent 1730429 A1</i>    |
|                | <i>Patent 1686125 A1</i>    |
|                | <i>Patent 1677248 A1</i>    |
|                | <i>Patent 1663180 A1</i>    |
|                | <i>Patent 1663179 A2</i>    |
|                | <i>Patent 1601330 A1</i>    |
|                | <i>Patent SU 1295799 A1</i> |
|                | <i>Patent 1002514</i>       |

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**AFFIDAVIT CONTINUED**

(Russian to English Patent/Abstract Translations)

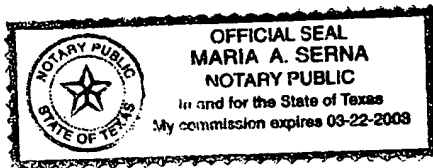
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Sworn to before me this  
9th day of October 2001.

*Maria A. Serna*

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